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P40252-AmendedClaims

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## AMENDED CLAIMS

1. (Amended) A thrust dynamic pressure bearing comprising:

a bearing surface of a rotating-side bearing member; and

5 a bearing surface of a fixed-side bearing member, both surfaces facing each other axiswise through a minute interspace, wherein the minute interspace is filled with lubricating oil;

a plurality of dynamic pressure generating grooves are formed on at least one of the bearing surfaces of the rotating-side bearing member and the fixed-side bearing member;

rotation is retained by dynamic pressure of lubricating oil being induced by means of the dynamic pressure generating grooves according to rotation of the rotating-side bearing member; and

15 groove width G in a circumferential direction of rotation of the rotating-side bearing member, of the dynamic pressure generating groove; and width L in a circumferential direction of rotation of the rotating-side bearing member, of a land circumferentially adjacent to the dynamic pressure generating groove hold  $G > L$  in an area of 80% or more of the area in which the dynamic pressure generating grooves  
20 provided on the bearing surface are formed.

2. (Canceled)

3. (Amended) The thrust dynamic pressure bearing as claimed in  
25 claims 1, wherein the dynamic pressure generating groove has a herringbone shape.

4. (Amended) The thrust dynamic pressure bearing as claimed in claim 1, wherein the dynamic pressure generating groove has a spiral shape.

5. (Original)The thrust dynamic pressure bearing as claimed in claim 3,  
5 wherein relationship between groove width G of the dynamic pressure generating groove and width L of a land circumferentially adjacent to the dynamic pressure generating groove ranges from  $G:L = 65:35$  to  $G:L = 75:25$ .

10 6. (Original)The thrust dynamic pressure bearing as claimed in claim 4, wherein relationship between groove width G of the dynamic pressure generating groove and width L of a land circumferentially adjacent to the dynamic pressure generating groove ranges from  $G:L = 65:35$  to  $G:L = 80:20$ .

15 7. (Amended) A thrust dynamic pressure bearing comprising:  
a bearing surface of a rotating-side bearing member; and  
a bearing surface of a fixed-side bearing member, both surfaces  
facing each other axiswise through a minute interspace, wherein  
20 the minute interspace is filled with lubricating oil;  
a plurality of dynamic pressure generating grooves having a  
herringbone shape are formed on at least one of the bearing surfaces of  
the rotating-side bearing member and the fixed-side bearing member;  
rotation is retained by dynamic pressure of lubricating oil being  
25 induced by means of the dynamic pressure generating grooves  
according to rotation of the rotating-side bearing member; and  
relationship between groove width G in a circumferential

direction of rotation of the rotating-side bearing member, of the  
dynamic pressure generating grooves; and width L in a circumferential  
direction of rotation of the rotating-side bearing member, of a land  
circumferentially adjacent to the dynamic pressure generating groove  
5 ranges from  $G:L = 65:35$  to  $G:L = 75:25$ .

8. (Amended) A thrust dynamic pressure bearing comprising:  
a bearing surface of a rotating-side bearing member; and  
a bearing surface of a fixed-side bearing member, both surfaces  
10 facing each other axiswise through a minute interspace, wherein  
the minute interspace is filled with lubricating oil;  
a plurality of dynamic pressure generating grooves having a  
spiral shape are formed on at least one of the bearing surfaces of the  
rotating-side bearing member and the fixed-side bearing member;  
15 rotation is retained by dynamic pressure of lubricating oil being  
induced by means of the dynamic pressure generating groove according  
to rotation of the rotating-side bearing member; and  
relationship between groove width G in a circumferential  
direction of rotation of the rotating-side bearing member, of the  
20 dynamic pressure generating groove and width L in a circumferential  
direction of rotation of the rotating-side bearing member, of a land  
circumferentially adjacent to the dynamic pressure generating groove  
ranges from  $G:L = 65:35$  to  $G:L = 80:20$ .

9. (New) A spindle motor comprising a thrust dynamic pressure bearing  
25 as claimed in any one of claims 1 through 8.

10. (New) An information recording and reproducing device comprising

a spindle motor having a thrust dynamic pressure bearing as claimed  
in any one of claims 1 through 8.